

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (currently amended) A test support apparatus for supporting a test of a screen program using a graphic user interface, comprising:
 - a test support class generation unit obtaining screen definition information defining a test target screen program that generates and controls a screen, and generating a test support class which is a subclass inheriting a class of the test target screen program responsive to the screen definition information, and a class for testing the test target screen program;
 - a test specification generation unit generating a test specification for the test target screen program according to the definition information, and providing the test specification for the test support class;
 - a test execution unit conducting a test of the test target screen program defined by the screen definition information using the generated test support class to thereby test the screen program using the graphical user interface; and
 - a test data generation unit supporting input of input test data, by displaying on the screen a menu of a test data and its attribute according to the test specification, and embedding the test data instructed by an operator in an input field on the screen.

2-9. (cancelled)

10. (previously presented) A test supporting method for supporting a test of a screen program using a graphic user interface, comprising:
 - obtaining screen definition information defining a test target screen program that generates and controls a screen, and generating a test support class which is a subclass inheriting a class of the test target screen program responsive to the screen definition information, and a class for testing the test target screen program;
 - generating a test specification for the test target screen program according to the definition information, and providing the test specification for the test support class;

conducting a test of the test target screen program defined by the screen definition information using the generated test support class to thereby test the screen program using the graphical user interface; and

generating test data by supporting input of input test data, by displaying on the screen a menu of a test data and its attribute according to the test specification, and embedding the test data instructed by an operator in an input field on the screen.

11. (previously presented) A computer-readable storage medium storing a program used to direct a computer to control support of a test of a screen program using a graphic user interface, said program to direct said computer to perform the process of:

obtaining screen definition information defining a test target screen program that generates and controls a screen;

generating a test support class which is a subclass inheriting a class of the test target screen program responsive to the screen definition information, and a class for testing the test target screen program defined by the screen definition information to thereby test the screen program using the graphical user interface;

generating a test specification for the test target screen program according to the definition information, and providing the test specification for the test support class; and

generating test data by supporting input of input test data, by displaying on the screen a menu of a test data and its attribute according to the test specification, and embedding the test data instructed by an operator in an input field on the screen.

12-13. (cancelled)

14. (previously presented) A test support apparatus for supporting a test of a screen program using a graphic user interface, comprising:

test support class generation means for obtaining screen definition information defining a test target screen program that generates and controls a screen, and generating a test support class which is a subclass inheriting a class of the test target screen program responsive to the screen definition information, and a class for testing the test target screen program;

a test specification generation means for generating a test specification for the test target screen program according to the definition information, and providing the test specification for the test support class;

test execution means for conducting a test of the test target screen program defined by the screen definition information using the generated test support class to thereby test the screen program using the graphical user interface; and

a test data generation means for supporting input of input test data, by displaying on the screen a menu of a test data and its attribute according to the test specification, and embedding the test data instructed by an operator in an input field on the screen.

15-17. (cancelled)

18. (previously presented) The apparatus according to claim 1, wherein said test specification includes a test item and content of test related to the test data, the test related to the test data, the test item indicating whether the test data is a normal value or an abnormal value, and the content of test indicating the type of test item, and

said menu displayed on the screen includes the test item, the type of the test, and the test data.

19. (previously presented) The apparatus according to claim 1, wherein said test support class further deletes the test data executed by the test execution unit from the menu displayed on the screen.

20. (previously presented) The method according to claim 10, wherein said test related to the test data, the test item indicating whether the test data is a normal value or an abnormal value, and the content of test indicating the type of the test item, and said menu displayed on the screen includes the test item, the type of the test, and the test data.

21. (previously presented) The method according to claim 10, wherein said test support class further deletes the executed test data by the test execution unit from the menu displayed on the screen.

22. (previously presented) The computer-readable storage medium according to claim 11, wherein

said test specification includes a test item and content of test related to the test data, the test item indicating whether the test data is a normal value or an abnormal value, and the content of the test indicating the type of the test item, and

said menu displayed on the screen includes the test item, the type of the test, and the test data.

23. (previously presented) The computer-readable storage medium according to claim 11, wherein

said test support class further deletes the executed test data from the menu displayed on the screen.

24. (previously presented) The apparatus according to claim 14, wherein

said test specification includes a test item and content of test related to the test data, the test item indicating whether the test data is a normal value or an abnormal value, and the content of test indicating the type of the test item, and

said menu displayed on the screen includes the test item, the type of the test, and the test data.

25. (previously presented) The apparatus according to claim 14, wherein

said test support class further deletes the executed test data from the menu displayed on the screen.